## Appendix VIII -- LDR Effective Dates of Injected Prohibited Hazardous Wastes



## NATIONAL CAPACITY LDR VARIANCES FOR UIC WASTES<sup>a</sup>

| Waste code  | CAPACITY LDR VARIANCES FOR UICE Waste category   | Effective date  |
|---|--|-----------------|
| F001-F005   | All spent F001-F005 solvent containing less than 1 percent total F001-F005 solvent constituents. | Aug. 8, 1990.   |
| D001 (except High TOC Ignitable Liquids Subcategory) <sup>c</sup> | All  | Feb. 10, 1994.  |
| D001 (High TOC Ignitable<br>Characteristic Liquids Subcategory)   | Nonwastewater  | Sept. 19, 1995. |
| D002 <sup>b</sup>   | All  | May 8, 1992.    |
| D002 <sup>c</sup>   | All  | Feb. 10, 1994.  |
| D003 (cyanides)   | All  | May 8, 1992.    |
| D003 (sulfides)   | All  | May 8, 1992.    |
| D003 (explosives, reactives)                                      | All  | May 8, 1992.    |
| D007  | All  | May 8, 1992.    |
| D009  | Nonwastewater  | May 8, 1992.    |
| D012  | All  | Sept. 19, 1995. |
| D013  | All  | Sept. 19, 1995. |
| D014  | All  | Sept. 19, 1995. |
| D015  | All  | Sept. 19, 1995. |
| D016  | All  | Sept. 19, 1995. |
| D017  | All  | Sept. 19, 1995. |
| D018  | All, including mixed with radioactive wastes   | April 8, 1998.  |
| D019  | All, including mixed with radioactive wastes   | April 8, 1998.  |
| D020  | All, including mixed with radioactive wastes   | April 8, 1998.  |
| D021  | All, including mixed with radioactive wastes   | April 8, 1998.  |
| D022  | All, including mixed with radioactive wastes   | April 8, 1998.  |
| D023  | All, including mixed radioactive wastes  | April 8, 1998.  |
| D024  | All, including mixed radioactive wastes  | April 8, 1998.  |
| D025  | All, including mixed radioactive wastes  | April 8, 1998.  |
| D026  | All, including mixed radioactive wastes  | April 8, 1998.  |

|      |   | Cii. 16, App. Viii-2 |
|------|---|----------------------|
| D027 | All, including mixed radioactive wastes | April 8, 1998.       |
| D028 | All, including mixed radioactive wastes | April 8, 1998.       |
| D029 | All, including mixed radioactive wastes | April 8, 1998.       |
| D030 | All, including mixed radioactive wastes | April 8, 1998.       |
| D031 | All, including mixed radioactive wastes | April 8, 1998.       |
| D032 | All, including mixed radioactive wastes | April 8, 1998.       |
| D033 | All, including mixed radioactive wastes | April 8, 1998.       |
| D034 | All, including mixed radioactive wastes | April 8, 1998.       |
| D035 | All, including mixed radioactive wastes | April 8, 1998.       |
| D036 | All, including mixed radioactive wastes | April 8, 1998.       |
| D037 | All, including mixed radioactive wastes | April 8, 1998.       |
| D038 | All, including mixed radioactive wastes | April 8, 1998.       |
| D039 | All, including mixed radioactive wastes | April 8, 1998.       |
| D040 | All, including mixed radioactive wastes | April 8, 1998.       |
| D041 | All, including mixed radioactive wastes | April 8, 1998.       |
| D042 | All, including mixed radioactive wastes | April 8, 1998.       |
| D043 | All, including mixed radioactive wastes | April 8, 1998.       |
| F007 | All                                     | June 8, 1991.        |
| F032 | All, including mixed radioactive wastes | May 12, 1999.        |
| F034 | All, including mixed radioactive wastes | May 12, 1999.        |
| F035 | All, including mixed radioactive wastes | May 12, 1999.        |
| F037 | All                                     | Nov. 8, 1992.        |
| F038 | All                                     | Nov. 8, 1992.        |
| F039 | Wastewater                              | May 8, 1992.         |

| K011       W         K013       N         K013       W         K014       A         K016 (dilute)       A         K049       A         K050       A         K051       A         K052       A         K062       A         K071       A         K088       A | Nonwastewater  Wastewater  Nonwastewater  Wastewater  All  All | June 8, 1991.  May 8, 1992.  June 8, 1991.  May 8, 1992.  May 8, 1992.  June 8, 1991. |
|--|--|---|
| K013       N         K013       W         K014       A         K016 (dilute)       A         K049       A         K050       A         K051       A         K052       A         K062       A         K071       A         K088       A                      | Nonwastewater  Wastewater  All  All                            | June 8, 1991.  May 8, 1992.  May 8, 1992.   |
| K013       W         K014       A         K016 (dilute)       A         K049       A         K050       A         K051       A         K052       A         K062       A         K071       A         K088       A   | Wastewater All All   | May 8, 1992.<br>May 8, 1992.  |
| K014       A         K016 (dilute)       A         K049       A         K050       A         K051       A         K052       A         K062       A         K071       A         K088       A  | AII AII  | May 8, 1992.  |
| K016 (dilute)       A         K049       A         K050       A         K051       A         K052       A         K062       A         K071       A         K088       A   | AII  | ·   |
| K049       A         K050       A         K051       A         K052       A         K062       A         K071       A         K088       A   | All  | June 8, 1991.   |
| K050       A         K051       A         K052       A         K062       A         K071       A         K088       A  |  |   |
| K051       A         K052       A         K062       A         K071       A         K088       A   | All  | Aug. 8, 1990.   |
| K052       A         K062       A         K071       A         K088       A  |  | Aug. 8, 1990.   |
| K062 A<br>K071 A<br>K088 A   | All  | Aug. 8, 1990.   |
| K071 A<br>K088 A   | AII  | Aug. 8, 1990.   |
| K088 A   | All  | Aug. 8, 1990.   |
|  | All  | Aug. 8, 1990.   |
| K104 A   | All  | Jan. 8, 1997.   |
|  | All  | Aug. 8, 1990.   |
| K107 A   | All  | Nov. 8, 1992.   |
| K108 A   | All  | Nov. 9, 1992.   |
| K109 A   | All  | Nov. 9, 1992.   |
| K110 A   | All  | Nov. 9, 1992.   |
| K111 A   | All  | Nov. 9, 1992.   |
| K112 A   | All  | Nov. 9, 1992.   |
| K117 A   | All  | June 30, 1995.  |
| K118 A   | All  | June 30, 1995.  |
| K123 A   | All  | Nov. 9, 1992.   |
| K124 A   | All  | Nov. 9, 1992.   |
| K125 A   | All  | Nov. 9, 1992.   |
| K126 A   | All  | Nov. 9, 1992.   |
| K131 A   | All  | June 30, 1995.  |
| K132 A   | All  | June 30, 1995.  |
| K136 A   | All  | Nov. 9, 1992.   |
| K141 A   | AII  | Dec. 19, 1994.  |
| K142 A   |  | Dec. 19, 1994.  |
| K143 A   | All  |   |
| K144 A   | All  | Dec. 19, 1994.  |

| K147         All         Dec. 19, 1994.           K148         All         Dec. 19, 1994.           K149         All         Dec. 19, 1994.           K150         All         Dec. 19, 1994.           K151         All         Dec. 19, 1994.           K156         All         Dec. 19, 1994.           K157         All         July 8, 1996.           K158         All         July 8, 1996.           K159         All         July 8, 1996.           K160         All         July 8, 1996.           K161         All         July 8, 1996.           K161         All         July 8, 1996.           NA         All         July 8, 1996.           May 26, 2000         All           NA         All General mixed mineral processing wastes from titanium dioxide production and mixed rations wastes and mineral processing wastes           P127         All         July 8, 1996.           P128         All         July 8, 1996.           P129         All         July 8, 1996.           P189         All         July 8, 1996.           P190         All         July 8, 1996.           P191         All         July 8, 1996.   | K145 | All  | Dec. 19, 1994. |
|--|------|--|----------------|
| K148         All         Dec. 19, 1994.           K149         All         Dec. 19, 1994.           K150         All         Dec. 19, 1994.           K151         All         Dec. 19, 1994.           K156         All         July 8, 1996.           K157         All         July 8, 1996.           K158         All         July 8, 1996.           K159         All         July 8, 1996.           K160         All         July 8, 1996.           K161         All         July 8, 1996.           K161         All         July 8, 1996.           K161         All         July 8, 1996.           K162         All         July 8, 1996.           K163         All         July 8, 1996.           K164         All         July 8, 1996.           K165         All         July 8, 1996.           P127         All         July 8, 1996.           P128         All         July 8, 1996.           P189         All         July 8, 1996.           P190         All         July 8, 1996.           P191         All         July 8, 1996.           P192         All         July 8, 1996.  |      |  |                |
| K149         All         Dec. 19, 1994,           K150         All         Dec. 19, 1994.           K151         All         Dec. 19, 1994.           K156         All         July 8, 1996.           K157         All         July 8, 1996.           K158         All         July 8, 1996.           K159         All         July 8, 1996.           K160         All         July 8, 1996.           K161         All         July 8, 1996.           NA         Newly identified mineral processing wastes         May 26, 2000           wastes from titanium dioxide production and mixed production and production and production and production and production and  |      |  |                |
| K150         All         Dec. 19, 1994.           K151         All         Dec. 19, 1994.           K156         All         July 8, 1996.           K157         All         July 8, 1996.           K158         All         July 8, 1996.           K159         All         July 8, 1996.           K160         All         July 8, 1996.           K161         All         July 8, 1996.           K161         All         July 8, 1996.           K161         All         July 8, 1996.           NA         Newly identified mineral processing wastes         May 26, 2000           Wide production and mixed radioactive/newly identified D004 - D014 characteristic wastes and mineral processing wastes         May 28, 1996.           P127         All         July 8, 1996.           P128         All         July 8, 1996.           P185         All         July 8, 1996.           P189         All         July 8, 1996.           P190         All         July 8, 1996.           P191         All         July 8, 1996.           P192         All         July 8, 1996.           P193         All         July 8, 1996.           P194         All   |      |  |                |
| K151         All         Dec. 19, 1994.           K156         All         July 8, 1996.           K157         All         July 8, 1996.           K158         All         July 8, 1996.           K159         All         July 8, 1996.           K160         All         July 8, 1996.           K161         All         July 8, 1996.           K161         All         July 8, 1996.           NA         Newly identified mineral processing wastes from titanium dioxide production and mixed radioactive/newly identified DO04 - DO11 characteristic wastes and mineral processing wastes         May 26, 2000           P127         All         July 8, 1996.           P128         All         July 8, 1996.           P185         All         July 8, 1996.           P188         All         July 8, 1996.           P190         All         July 8, 1996.           P191         All         July 8, 1996.           P192         All         July 8, 1996.           P194         All         July 8, 1996.           P196         All         July 8, 1996.           P197         All         July 8, 1996.           P198         All         July 8, 1996.   |      |  |                |
| K156         All         July 8, 1996.           K157         All         July 8, 1996.           K158         All         July 8, 1996.           K159         All         July 8, 1996.           K160         All         July 8, 1996.           K161         All         July 8, 1996.           K161         All         July 8, 1996.           NA         Newly identified mineral processing wastes from titanium dioxide production and mixed radioactive/newly identified D004 - D011 characteristic wastes and mineral processing wastes         May 26, 2000           P127         All         July 8, 1996.           P128         All         July 8, 1996.           P189         All         July 8, 1996.           P189         All         July 8, 1996.           P190         All         July 8, 1996.           P191         All         July 8, 1996.           P192         All         July 8, 1996.           P193         All         July 8, 1996.           P194         All         July 8, 1996.           P197         All         July 8, 1996.           P198         All         July 8, 1996.           P199         All         July 8, 1996.  |      |  |                |
| K157   |      |  |                |
| K158         All         July 8, 1996.           K159         All         July 8, 1996.           K160         All         July 8, 1996.           K161         All         July 8, 1996.           K161         All         July 8, 1996.           NA         Newly identified mineral processing wastes growth wastes from titanium dioxide production and mixed radioactive/newly identified D004 D011 characteristic wastes and mineral processing wastes         May 26, 2000           P127         All         July 8, 1996.           P128         All         July 8, 1996.           P185         All         July 8, 1996.           P188         All         July 8, 1996.           P199         All         July 8, 1996.           P190         All         July 8, 1996.           P191         All         July 8, 1996.           P192         All         July 8, 1996.           P194         All         July 8, 1996.           P195         All         July 8, 1996.           P196         All         July 8, 1996.           P197         All         July 8, 1996.           P198         All         July 8, 1996.           P199         All         July 8, 1996.  |      |  |                |
| Miles   Mile |      |  | ·              |
| Mathematical Nation  |      |  |                |
| Na   |      |  |                |
| NA         Newly identified mineral processing wastes from titanium dioxide production and mixed radioactive/newly identified D004 - D011 characteristic wastes and mineral processing wastes         May 26, 2000           P127         All         July 8, 1996.           P128         All         July 8, 1996.           P185         All         July 8, 1996.           P188         All         July 8, 1996.           P189         All         July 8, 1996.           P190         All         July 8, 1996.           P191         All         July 8, 1996.           P192         All         July 8, 1996.           P194         All         July 8, 1996.           P195         All         July 8, 1996.           P197         All         July 8, 1996.           P198         All         July 8, 1996.           P199         All         July 8, 1996.           P201         All         July 8, 1996.           P202         All         July 8, 1996.           P203         All         July 8, 1996.           P204         All         July 8, 1996.           P205         All         July 8, 1996.   |      |  |                |
| P128       All       July 8, 1996.         P185       All       July 8, 1996.         P188       All       July 8, 1996.         P189       All       July 8, 1996.         P190       All       July 8, 1996.         P191       All       July 8, 1996.         P192       All       July 8, 1996.         P194       All       July 8, 1996.         P195       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P199       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.   |      | Newly identified mineral processing wastes from titanium dioxide production and mixed radioactive/newly identified D004 - D011 characteristic wastes and | ·              |
| P185       All       July 8, 1996.         P188       All       July 8, 1996.         P189       All       July 8, 1996.         P190       All       July 8, 1996.         P191       All       July 8, 1996.         P192       All       July 8, 1996.         P194       All       July 8, 1996.         P196       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.   | P127 | All  | July 8, 1996.  |
| P188       All       July 8, 1996.         P189       All       July 8, 1996.         P190       All       July 8, 1996.         P191       All       July 8, 1996.         P192       All       July 8, 1996.         P194       All       July 8, 1996.         P196       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.  | P128 | All  | July 8, 1996.  |
| P189       All       July 8, 1996.         P190       All       July 8, 1996.         P191       All       July 8, 1996.         P192       All       July 8, 1996.         P194       All       July 8, 1996.         P196       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.   | P185 | All  | July 8, 1996.  |
| P190       All       July 8, 1996.         P191       All       July 8, 1996.         P192       All       July 8, 1996.         P194       All       July 8, 1996.         P196       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.  | P188 | All  | July 8, 1996.  |
| P191       All       July 8, 1996.         P192       All       July 8, 1996.         P194       All       July 8, 1996.         P196       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P199       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.  | P189 | All  | July 8, 1996.  |
| P192       All       July 8, 1996.         P194       All       July 8, 1996.         P196       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P199       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.   | P190 | All  | July 8, 1996.  |
| P194       All       July 8, 1996.         P196       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P199       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.  | P191 | All  | July 8, 1996.  |
| P196       All       July 8, 1996.         P197       All       July 8, 1996.         P198       All       July 8, 1996.         P199       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.   | P192 | All  | July 8, 1996.  |
| P197       All       July 8, 1996.         P198       All       July 8, 1996.         P199       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.  | P194 | All  | July 8, 1996.  |
| P198       All       July 8, 1996.         P199       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.   | P196 | All  | July 8, 1996.  |
| P199       All       July 8, 1996.         P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.  | P197 | All  | July 8, 1996.  |
| P201       All       July 8, 1996.         P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.   | P198 | All  | July 8, 1996.  |
| P202       All       July 8, 1996.         P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.  | P199 | All  | July 8, 1996.  |
| P203       All       July 8, 1996.         P204       All       July 8, 1996.         P205       All       July 8, 1996.   | P201 | All  | July 8, 1996.  |
| P204       All       July 8, 1996.         P205       All       July 8, 1996.  | P202 | All  | July 8, 1996.  |
| P205 All July 8, 1996.   | P203 | All  | July 8, 1996.  |
|  | P204 | All  | July 8, 1996.  |
| U271 All July 8, 1996.   | P205 | All  | July 8, 1996.  |
|  | U271 | All  | July 8, 1996.  |

|      | T   | σπ. το, πρρ. νπ. σ |
|------|-----|--------------------|
| U277 | All | July 8, 1996.      |
| U278 | All | July 8, 1996.      |
| U279 | All | July 8, 1996.      |
| U280 | All | July 8, 1996.      |
| U328 | All | Nov. 9, 1992.      |
| U353 | All | Nov. 9, 1992.      |
| U359 | All | Nov. 9, 1992.      |
| U364 | All | July 8, 1996.      |
| U365 | All | July 8, 1996.      |
| U366 | All | July 8, 1996.      |
| U367 | All | July 8, 1996.      |
| U372 | All | July 8, 1996.      |
| U373 | All | July 8, 1996.      |
| U375 | All | July 8, 1996.      |
| U376 | All | July 8, 1996.      |
| U377 | All | July 8, 1996.      |
| U378 | All | July 8, 1996.      |
| U379 | All | July 8, 1996.      |
| U381 | All | July 8, 1996.      |
| U382 | All | July 8, 1996.      |
| U383 | All | July 8, 1996.      |
| U384 | All | July 8, 1996.      |
| U385 | All | July 8, 1996.      |
| U386 | All | July 8, 1996.      |
| U387 | All | July 8, 1996.      |
| U389 | All | July 8, 1996.      |
| U390 | All | July 8, 1996.      |
| U391 | All | July 8, 1996.      |
| U392 | All | July 8, 1996.      |
| U393 | All | July 8, 1996.      |
| U394 | All | July 8, 1996.      |
| U395 | All | July 8, 1996.      |
| U396 | All | July 8, 1996.      |
| U400 | All | July 8, 1996.      |
|      |     |                    |

| U401 | All | July 8, 1996. |
|------|-----|---------------|
| U402 | All | July 8, 1996. |
| U403 | All | July 8, 1996. |
| U404 | All | July 8, 1996. |
| U407 | All | July 8, 1996. |
| U409 | All | July 8, 1996. |
| U410 | All | July 8, 1996. |
| U411 | All | July 8, 1996. |

<sup>&</sup>lt;sup>a</sup> Wastes that are deep well disposed on-site receive a six-month variance, with restrictions effective in November 1990.

<sup>&</sup>lt;sup>b</sup> Deepwell injected D002 liquids with a pH less than 2 must meet the California List treatment standards on August 8, 1990.

<sup>&</sup>lt;sup>c</sup> Managed in systems defined in 40 CFR 144.6(e) and 14.6(e) as Class V injection wells, that do not engage in federal CWA-equivalent treatment before injection.

Note: This table is provided for the convenience of the reader.